

II. AMENDMENTS TO THE CLAIMS:

Kindly cancel claims 1-15 without prejudice, and add new claims 16-34.

The following Listing of Claims replaces all prior versions of claims in the above-captioned application.

Listing of Claims:

Claims 1-15 have been cancelled.

16. (NEW) A device for correcting balance of a rotating body, comprising:
- a journal supporting part having a mandrel that rotatably supports the rotating body in a floating state about a vertical axis;
 - a thrust supporting part that is provided at a lower end portion of the mandrel and supports a bottom part of the rotating body in the floating state;
 - a first fluid supply passage that supplies fluid for floating to a rotation support hole of the rotating body; and
 - a second fluid supply passage to supply fluid for floating the rotating body,
- wherein the second fluid supply passage opens at a plurality of openings on the thrust supporting part,
- wherein a first distance extends between centers of adjacent openings of the second fluid supply passage, and a second distance extends from a center of each of the openings to an outer peripheral end of the thrust supporting part, and wherein half of the first distance is smaller than the second distance.

17. (NEW) A device for correcting balance of a rotating body, comprising:

a journal supporting part having a mandrel that rotatably supports the rotating body in a floating state about a vertical axis;

a thrust supporting part that is provided at a lower end portion of the mandrel and supports a bottom part of the rotating body in the floating state;

a first fluid supply passage that supplies fluid for floating to a rotation support hole of the rotating body;

an annular groove provided in the thrust supporting part so as to face the bottom part of the rotating body;

a second fluid supply passage that communicates with the annular groove to supply fluid for floating the rotating body; and

a configuration to switch the fluid supplied to either of the first fluid supply passage or the second fluid supply passage, or both the first and second fluid supply passages, between a compressive fluid and a non-compressive fluid.

18. (NEW) A device for correcting balance of a rotating body, comprising:

a journal supporting part having a mandrel that rotatably supports the rotating body in a floating state about a vertical axis;

a thrust supporting part that is provided at a lower end portion of the mandrel and supports a bottom part of the rotating body in the floating state; and

a fluid supply passage that supplies fluid for floating to a rotation support hole of the rotating body;

wherein a first space part and a second space part are formed in at least either one of the mandrel and the rotation support hole,

wherein the first space part is wider in a radial direction of the rotating body than the second space part, the first space part extends in the radial direction from an outer

circumferential surface of the mandrel where supporting portions of the journal supporting part are not positioned to an inner circumferential surface of the rotating body, and the second space part extends in the radial direction from the outer circumferential surface of the mandrel where supporting portions of the journal supporting part are positioned to the inner circumferential surface of the rotating body.

19. (NEW) A device according to claim 18, wherein the supporting portions are provided at lower and upper positions of the journal supporting part, respectively, and the first space part extends between the supporting portions at the lower and upper positions of the journal supporting part.

20. (NEW) A device according to claim 18, wherein a second fluid supply passage is provided for supplying fluid for floating the rotating body to the thrust supporting part facing the bottom part of the rotating body.

21. (NEW) A device according to claim 19, wherein a second fluid supply passage is provided for supplying fluid for floating the rotating body to the thrust supporting part facing the bottom part of the rotating body.

22. (NEW) A device according to claim 18, wherein a discharge path communicated with the first space part is provided for discharging the fluid.

23. (NEW) A device according to claim 19, wherein a discharge path communicated with the first space part is provided for discharging the fluid.

24. (NEW) A device according to claim 18, wherein for discharging the fluid, a second discharge path is provided to open upward on a topmost supporting portion between the mandrel and the rotation support hole of the rotating body.

25. (NEW) A device according to claim 19, wherein for discharging the fluid, a second discharge path is provided to open upward on a topmost supporting portion between the mandrel and the rotation support hole of the rotating body.

26. (NEW) A device according to claim 22, wherein discharge means for forcibly discharging the fluid is provided at the discharge path.

27. (NEW) A device according to claim 23, wherein discharge means for forcibly discharging the fluid is provided at the discharge path.

28. (NEW) A device according to claim 24, wherein discharge means for forcibly discharging the fluid is provided at the second discharge path.

29. (NEW) A device according to claim 25, wherein discharge means for forcibly discharging the fluid is provided at the second discharge path.

30. (NEW) A device according to claim 18, wherein an annular projection portion is provided between the thrust supporting part and the rotating body, for holding the fluid.

31. (NEW) A device according to claim 19, wherein an annular projection portion is provided between the thrust supporting part and the rotating body, for holding the fluid.

32. (NEW) A device according to claim 18, wherein an annular groove is provided in a front end portion of the fluid supply passage of the journal supporting part.

33. (NEW) A device according to claim 19, wherein an annular groove is provided in a front end portion of the fluid supply passage of the journal supporting part.

34. (NEW) A device for correcting balance of a rotating body, comprising:
a journal supporting part having a mandrel that rotatably supports the rotating body in a floating state about a vertical axis;

a thrust supporting part that is provided at a lower end portion of the mandrel and supports a bottom part of the rotating body in the floating state; and

a fluid supply passage that supplies fluid for floating to a rotation support hole of the rotating body;

wherein a space part is formed in at least either one of the mandrel and the rotation support hole for widening a space other than at a supporting portion,

wherein recovery means for recovering the fluid is provided at a position confronting an outer periphery of the thrust supporting part.